2018 ROAD IMPROVEMENT PROGRAM - PHASE III

BOROUGH OF RUMSON MONMOUTH COUNTY, NEW JERSEY

UTILITY OWNERS

VERIZON 175 WEST MAIN STREET, FLOOR 1 FREEHOLD, NJ 07728 ATTN: CHRISTOPHER HOBSON

JERSEY CENTRAL POWER & LIGHT 101 CRAWFORDS CORNER ROAD #1-511 HOLMDEL, NJ 07733 ATTN: HARVEY LOCKLEY

NEW JERSEY AMERICAN WATER 661 SHREWSBURY AVENUE SHREWSBURY, NJ 07702 ATTN: JEFFREY BOWLBY

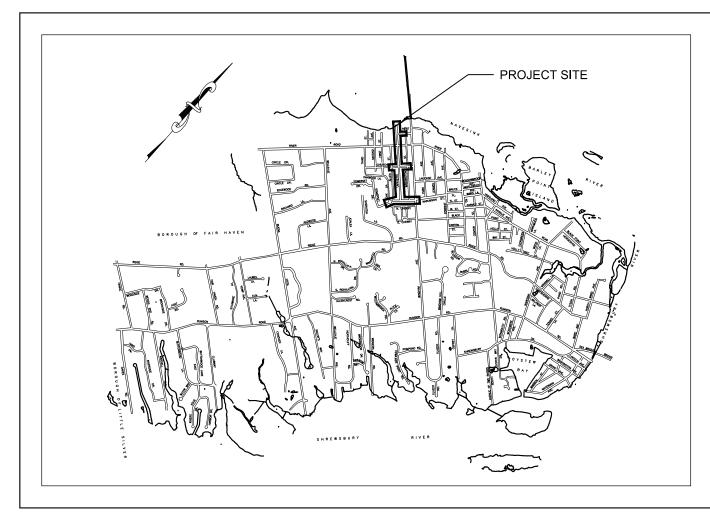
NEW JERSEY NATURAL GAS 1415 WYCKOFF ROAD WALL, NJ 07719 ATTN: JOSEPH PUGLISI

COMCAST 751 BRICK BOULEVARD BRICK, NJ 08723 ATTN: LAWRENCE FARY

BOROUGH OF RUMSON SEWER DEPARTMENT 80 EAST RIVER ROAD RUMSON, NJ 07780 ATTN: R.J. SICKLER

LOCATION OF UTILITIES SHOWN ON THESE PLANS ARE NOT WARRANTED AS TO EXACTNESS. CONTRACTOR SHALL DETERMINE EXACT LOCATION AND DEPTH OF UTILITIES PRIOR TO CONSTRUCTION IN ACCORDANCE WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND OTHER APPLICABLE LAWS.



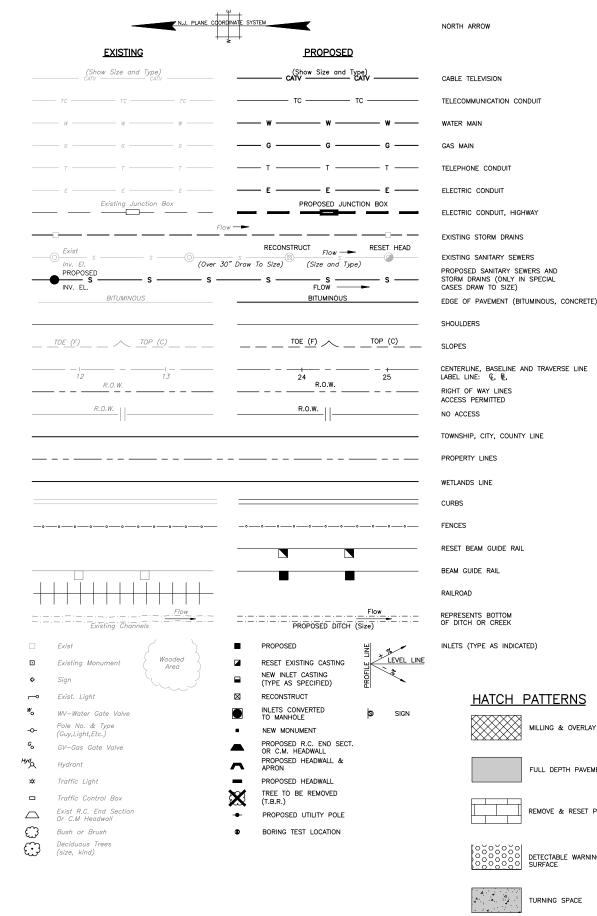


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KEY MAP







STANDARD LEGEND

GENERAL NOTES:

1. NO CONSTRUCTION ACTIVITY IS TO TAKE PLACE OUTSIDE THE LIMIT OF DISTURBANCE UNLESS DIRECTED BY THE ENGINEER. THE LIMIT OF DISTURBANCE IS WITHIN 2' OF THE LIMIT OF CONSTRUCTION UNLESS OTHERWISE INDICATED ON

- QUANTITIES FOR CONSTRUCT ITEMS SHOWN ARE APPROXIMATE. ENGINEER MAY ADJUST QUANTITIES IN FIELD.
- 3. AT THE END OF EACH WORKDAY, THE CONTRACTOR SHALL CLEAN AND REMOVE ALL CONSTRUCTION DEBRIS FROM ROADWAYS AND MAINTAIN SAFE ACCESS TO ALL HOMES AND BUSINESSES FOR PEDESTRIANS AND VEHICLES.
- 4. NO SEPARATE PAYMENT SHALL BE MADE FOR SAWCUTTING ASPHALT OR CONCRETE. INCLUDE ALL COSTS OF SAWCUTTING IN THE VARIOUS ITEMS IN THE BID PROPOSAL AT LIMITS OF NEW SIDEWALK NOT CLOSE TO EXPANSION JOINTS, THE CONTRACTOR SHALL SAWCUT EXISTING SIDEWALK.
- 5. EXISTING UTILITY INFORMATION SHOWN HEREON HAS BEEN COLLECTED FROM VARIOUS SOURCES AND IS NOT GUARANTEED AS TO ACCURACY OR COMPLETENESS. THE CONTRACTOR SHALL CONTACT THE SAFE DIG HOTLINE (811) AND VERIFY ALL INFORMATION TO HIS SATISFACTION PRIOR TO ANY EXCAVATION. WHERE EXISTING UTILITIES ARE TO BE CROSSED BY PROPOSED CONSTRUCTION, TEST PITS SHALL BE DUE BY THE CONTRACTOR TO ASCERTIN EXISTING INVERTS, MATERIALS AND SIZES. TEST PIT INFORMATION SHALL BE COMEN. TO THE ENCIMIEFED PRIOR TO CONSTRUCTION TO PERMIT AND INSTRUMENTS. GIVEN TO THE ENGINEER PRIOR TO CONSTRUCTION TO PERMIT ADJUSTMENTS AS MAY BE REQUIRED TO AVOID UTILITY CONFLICTS.
- IF TEST PITS ARE REQUIRED THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS UNTIL ALL TEST PITS HAVE BEEN EXECUTED AND EVALUATED.
- 7. DENSE GRADED AGGREGATE BASE COURSE SHALL BE INSTALLED AS DIRECTED BY ENGINEER.
- 8. IF APPLICABLE, CONTRACTOR SHALL, AT LIMIT OF PAVING, MILL 6' WIDE KEY 2" AVERAGE DEPTH AND SAWCUT EXISTING PAVEMENT FOR NEAT STRAIGHT LINE UNLESS OTHERWISE DIRECTED. CONTRACTOR SHALL PAY CLOSE ATTENTION TO DETAIL 'CROSS SECTION OF END TREATMENT FOR MILLING OPERATIONS' ON DRAWING CSD-1, IF APPLICABLE. ALL KEYWAYS SHALL HAVE A SAWCUT, VERTICAL EDGE. MEET EXISTING GRADE AT OUTER LIMIT OF MILLING.
- 9. TACK COAT SHALL BE IN ACCORDANCE WITH SPECIFICATION SECTION 401.03.02.
- 10. CONTRACTOR SHALL CLEAN AND SWEEP AND TACK THE PAVEMENT IMMEDIATELY PRIOR TO OVERLAY. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS
- 11. INSTALLATION OF HOT MIX ASPHALT SURFACE COURSE SHALL NOT BE PERMITTED UNTIL THE BASE COURSE IS APPROVED BY THE ENGINEER. THE ENGINEER MAY DIRECT THE CONTRACTOR TO MAKE CORRECTIVE MEASURES TO THE BASE COURSE PRIOR TO THE INSTALLATION OF THE SURFACE COURSE AT NO ADDITIONAL COST TO THE OWNER.
- 12. COLD JOINTS RESULTING FROM THE MILLING OR PAVING OPERATIONS SHALL BE TREATED WITH AN APPLICATION OF POLYMERIZED JOINT ADHESIVE IN ACCORDANCE WITH THE NJDOT STANDARD SPECIFICATIONS.
- 13. CONTRACTOR SHALL MAINTAIN EXISTING DRAINAGE PATTERNS WHEN RECONSTRUCTING OR OVERLAYING UNLESS OTHERWISE INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY QUESTIONABLE DRAINAGE AREAS SO THAT FIELD ADJUSTMENTS CAN BE
- 14. THE EDGES OF THE HOT MIX ASPHALT BASE COURSE SHALL BE PARALLEL TO THE ROADWAY CENTERLINE AND RECTANGULAR IN SHAPE. ALL EDGES SHALL BE VERTICAL.
- 15. THE LIMIT OF EXCAVATION AND HOT MIX ASPHALT BASE COURSE AT PAVEMENT RECONSTRUCTION AREAS MAY VARY AS DIRECTED BY ENGINEER IN FIELD.
- 16. AT EXCAVATION FOR DRAINAGE PIPE OR STRUCTURES, CONTRACTOR IS RESPONSIBLE FOR SUPPORTING UTILITY POLES AS RECOMMENDED BY THE UTILITY COMPANY. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS ACTIVITY.

- 17. PRIOR TO EXCAVATION FOR THE PROPOSED PUBLIC SIDEWALK CURB RAMPS, THE ENGINEER AND THE CONTRACTOR SHALL REVIEW THE EXISTING CONDITIONS AT THE LOCATION OF THE PROPOSED PUBLIC SIDEWALK CURB RAMPS AND DETERMINE THE BEST APPROACH FOR CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL SURVEY AND LAYOUT NECESSARY TO PROVIDE PUBLIC SIDEWALK CURB RAMPS THAT COMPLY WITH THE DETAILS AND CURRENT ADARECULATIONS. NO SEPARATE PAYMENT SHALL BE MADE FOR SURVEY, INCLUDE IN VARIOUS ITEMS.
- 18. ALL NON-CONFORMING PUBLIC SIDEWALK CURB RAMPS SHALL BE REPLACED AS DIRECTED BY THE ENGINEER TO CONFORM WITH CURRENT ADA REQUIRMENTS AT NO ADDITIONAL COST TO THE OWNER.
- 19. PUBLIC SIDEWALK CURB RAMP WILL BE PAID AS CONCRETE SIDEWALK, 4" THICK,
- 20. NEW DRIVEWAY APRONS SHALL NOT EXCEED 10%. DRIVEWAY REPAIRS SHALL BE MADE WHERE NECESSARY TO LIMIT DRIVEWAY GRADES.
- 21. THE LOCATION AND CONFIGURATION OF EXISTING TRAFFIC STRIPES AND MARKINGS SHOWN ON THIS PLAN ARE APPROXIMATE. THE CONTRACTOR SHALL MEASURE AND RECORD THE ACTUAL SIZE, LOCATION AND CONFIGURATION OF EXISTING TRAFFIC STRIPES AND MARKINGS AND REPLACE IN KIND OR AS DIRECTED BY THE ENGINEER. THERE WILL BE NO SEPARATE PAYMENT FOR THIS TASK.
- 22. LOCATIONS OF GAS AND WATER VALVES SHOWN ARE APPROXIMATE. THERE MAY BE MORE THAN SHOWN ON CONSTRUCTION PLANS. CONTRACTOR IS RESPONSIBLE FOR RESETTING ALL VALVE CASTINGS, REGARDLESS OF WHAT IS SHOWN ON PLANS. INCLUDE COST SI VARIOUS ITEMS IN THE BID PROPOSAL.
- 23. RESTORE TURE AREAS WITH 4" THICK BORROW TOPSOILING & SOD
- 24. THE TOPSOIL USED FOR THIS PROJECT SHALL BE IN STRICT CONFORMANCE TO THE PROJECT SPECIFICATIONS. ANY TOPSOIL NOT MEETING THE REQUIREMENTS OF THE SPECIFICATIONS SHALL BE REMOVED AND REPLACED AT THE
- 25. CONTRACTOR SHALL SUBMIT SEED BAG TICKETS TO THE ENGINEER FOR APPROVAL PRIOR TO PLACING SEED.
- 26. CONTRACTOR SHALL ESTABLISH A FULL STAND OF GRASS WITH NO BARE PATCHES, CRABGRASS OR WEEDS.
- 27. ALL TRENCHES SHALL BE BACKFILLED AND RECEIVE A MINIMUM OF 2 INCHES OF HOT MIX ASPHALT PAYEMENT AT THE END OF EACH DAY. THERE SHALL BE NO SEPARATE PAYMENT FOR THIS WORK. COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS LISTED IN THE PROPOSAL.
- 28. THERE MAY BE AREAS WITHIN THE PROJECT LIMITS THAT HAVE EXISTING IRRIGATION SYSTEMS. CONTRACTOR IS RESPONSIBLE FOR RELOCATING OR REPAIRING ANY DAMAGE TO THESE SYSTEMS THAT MAY OCCUR DURING CONSTRUCTION. THERE WILL BE NO SEPARATE PAYMENT FOR THIS WORK; COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS LISTED IN THE PROPOSAL.
- 29. TRAFFIC CONTROL AND MAINTENANCE MEASURES SHALL BE PAID ONLY TO THE EXTENT THAT THE ITEMS ARE INCLUDED IN THE PROPOSAL. THERE WILL BE NO SEPARATE PAYMENT FOR ANY ADDITIONAL TRAFFIC CONTROL MEASURES THAT ARE REQUIRED. ALL COSTS SHALL BE INCLUDED IN THE VARIOUS ITEMS LISTED
- 30. NO ADDITIONAL PAYMENT WILL BE MADE FOR REMOVING THE EXISTING ASPHALT OR SUB BASE IN AREAS OF FULL DEPTH PAVEMENT RECONSTRUCTION. ALL COSTS SHALL BE INCLUDED IN THE VARIOUS BID ITEMS.
- 31. UNLESS OTHERWISE INDICATED ON THE DETAIL SHEETS, NJDOT STANDARD CONSTRUCTION DETAILS, LATEST REVISION, SHALL APPLY.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2007 NJDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, INCLUDING ALL BASELINE DOCUMENT CHANGES.

CONTRACTOR SHALL BE ADVISED THAT QUANTITIES FOR EACH ROAD ARE LISTED ON THE PLAN SHEETS. THESE IDENTIFIED QUANTITIES ARE NEAT, PLAN QUANTITIES.

CONTRACTOR SHALL ALSO BE ADVISED THAT THE BID PROPOSAL FORMS AND CONTRACT INCLUDE ADDITIONAL QUANTITIES ABOVE AND BEYOND THE IDENTIFIED PLAN QUANTITIES. THESE QUANTITIES WILL BE UTILIZED ON AN IF & WHERE BASIS AS DIRECTED BY THE BOROUGH ENGINEER TO COMPLETE ADDITIONAL WORK THROUGHOUT THE BOROUGH AS NEEDED. THE WORK MAY INCLUDE MILL AND OVERLAY AND CURB AND SIDEWALK REPLACEMENT ON A PORTION OF AN ADDITIONAL ROAD TO BE IDENTIFIED. THE CONTRACTOR WILL NOT BE ASKED TO PERDENDIAL WORST. AND COURS AND THE CONTRACTOR WILL NOT BE ASKED TO PERDENDIAL WORST. PERFORM MISCELLANEOUS, ISOLATED REPAIRS THROUGHOUT THE BOROUGH





CONCRETE SIDEWALK CONCRETE DRIVEWAY





STONE/GRAVEL DRIVEWAY



DETECTABLE WARNING

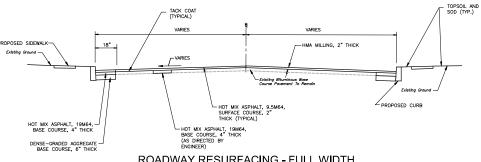
TURNING SPACE



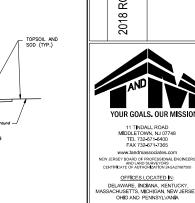
REMOVE CONCRETE SIDEWALK AND RESTABILIZE







ROADWAY RESURFACING - FULL WIDTH TYPICAL SECTION



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11 TINDALL ROAD MIDDLETOWN, NJ 07748 TEL 732-671-6400 FAX 732-671-7365 OFFICES LOCATED IN: ELAWARE, INDIANA, KENTUCKY, CHUSETTS, MICHIGAN, NEW JERSE' OHIO AND PENNSYLVANIA

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THOMAS P. NEFF, P.E., P.P., C.M.E.

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FAX 732 671 7365

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- THIS PLAN SHEET IS ALSO FOR CERTIFICATION OF THE PROPER SOIL EROSION AND SEDIMENT CONTROL MEASURES DURING CONSTRUCTION
- CONTRACTOR SHALL BE ADVISED THAT THE MAJORITY OF CONCRETE CURB THROUGHOUT THIS PROJECT IS PROPOSED WITH A 4" CURB REVEAL. HOWEVER, THE SOUTHWEST SECTION OF CHURCH STREET BETWEEN ALLEN STREET AND LAFAYETTE STREET, THE NORTHWEST SECTION OF NARUMSUNK STREET BETWEEN LAFAYETTE AND THE PROJECT LIMITS AND THE PORTION OF HUNT STREET NORTHEAST OF WASHINGTON STREET SHALL HAVE A 6" CURB REVEAL.
- THE MAXIMUM PERMITTED SLOPE IN ANY DIRECTION FOR ALL HANDICAP PARKING SPACES IS 1.5%. THE CONTRACTOR SHALL RE-GRADE THESE AREAS AS NECESSARY TO ENSURE THE SLOPES DO NOT EXCEED 1.5%. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY GRADING.

		CONSTRUCTION ITEMS (NARUMSUNK STREET)			
1330 225			980 980	SY SY	BORROW TOPSOILING, 4" THICK SODDING
3,175	SY	MILLING, 2" VARIABLE DEPTH	2	UN	TREE REMOVAL UNDER 6"
160	SY	MILLING, 6" VARIABLE DEPTH	2	UN	TREE REMOVAL OVER 6" TO 12"
425	TON	HOT MIX ASPHALT 9.5M64, SURFACE COURSE, 2" THICK	3	UN	TREE REMOVAL OVER 12" TO 18"
40	TON	HOT MIX ASPHALT 19M64, BASE COURSE, 4" THICK		UN	TREE REMOVAL OVER 18" TO 24"
2,455	LF	6"x18" CONCRETE VERTICAL CURB	1	UN	TREE REMOVAL OVER 24" TO 30"
40	LF	6"x20" CONCRETE VERTICAL CURB			
3	UN	INLET, TYPE B			
1	UN	RECONSTRUCT INLET USING EXISTING CASTING			
290	LF	15" RCP (CLASS V W/ FLEXIBLE WATERTIGHT RUBBER GASKET)			
10	UN	RESET VALVE BOX (IF & WHERE DIR.)			
305	SY	CONCRETE SIDEWALK, 4" THICK			
235	SF	MODULAR BLOCK RETAINING WALL			
40	SY	CONCRETE DRIVEWAY, REINFORCED, 6" THICK			
40	SY	HOT MIX ASPHALT DRIVEWAY, 5" THICK			
15	SY				
20	SY	REMOVE & RESET PAVERS			
16	UN	DETECTABLE WARNING SURFACE			
100	LF	TRAFFIC STRIPES, LONG LIFE EPOXY RESIN, 4" WIDE			20' 10' 0 20' 40'
45	LF	TRAFFIC STRIPES, THERMOPLASTIC, 6" WIDE			1" = 20"
	225 3,175 160 425 40 2,455 40 3 1 290 10 305 235 40 40 15 20 16 100	1330 LF 225 GAL 3,175 SY 160 SY 40 TON 2,455 LF 40 LF 3 UN 1 UN 290 LF 10 UN 305 SY 40 SY 40 SY 40 SY 40 SY 15 SY 20 SY 16 UN 11 UN 201 LF 205 LF 207 UN 208 LF 209	225 GAL TACK COAT 3,175 SY MILLING, 2" VARIABLE DEPTH 160 SY MILLING, 6" VARIABLE DEPTH 425 TON HOT MIX ASPHALT 9.5M64, SURFACE COURSE, 2" THICK 40 TON HOT MIX ASPHALT 19M64, BASE COURSE, 4" THICK 2,455 LF 6"x18" CONCRETE VERTICAL CURB 40 LF 6"x20" CONCRETE VERTICAL CURB 3 UN INLET, TYPE B 1 UN RECONSTRUCT INLET USING EXISTING CASTING 290 LF 15" RCP (CLASS V W/ FLEXIBLE WATERTIGHT RUBBER GASKET) 10 UN RESET VALVE BOX (IF & WHERE DIR.) 305 SY CONCRETE SIDEWALK, 4" THICK 40 SY CONCRETE SIDEWALK, 4" THICK 40 SY CONCRETE DRIVEWAY, REINFORCED, 6" THICK 40 SY HOT MIX ASPHALT DRIVEWAY, 5" THICK 5 SY STONE DRIVEWAY (IF & WHERE DIR.) 15 SY STONE DRIVEWAY (IF & WHERE DIR.) 16 UN DETECTABLE WARNING SURFACE 16 UN DETECTABLE WARNING SURFACE 16 UN DETECTABLE WARNING SURFACE 17 TRAFFIC STRIPES, LONG LIFE EPOXY RESIN, 4" WIDE	1330	1330

TRAFFIC STRIPES, THERMOPLASTIC, 24" WIDE

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THOMAS P. NEFF, P.E., P.P., C.M.E.

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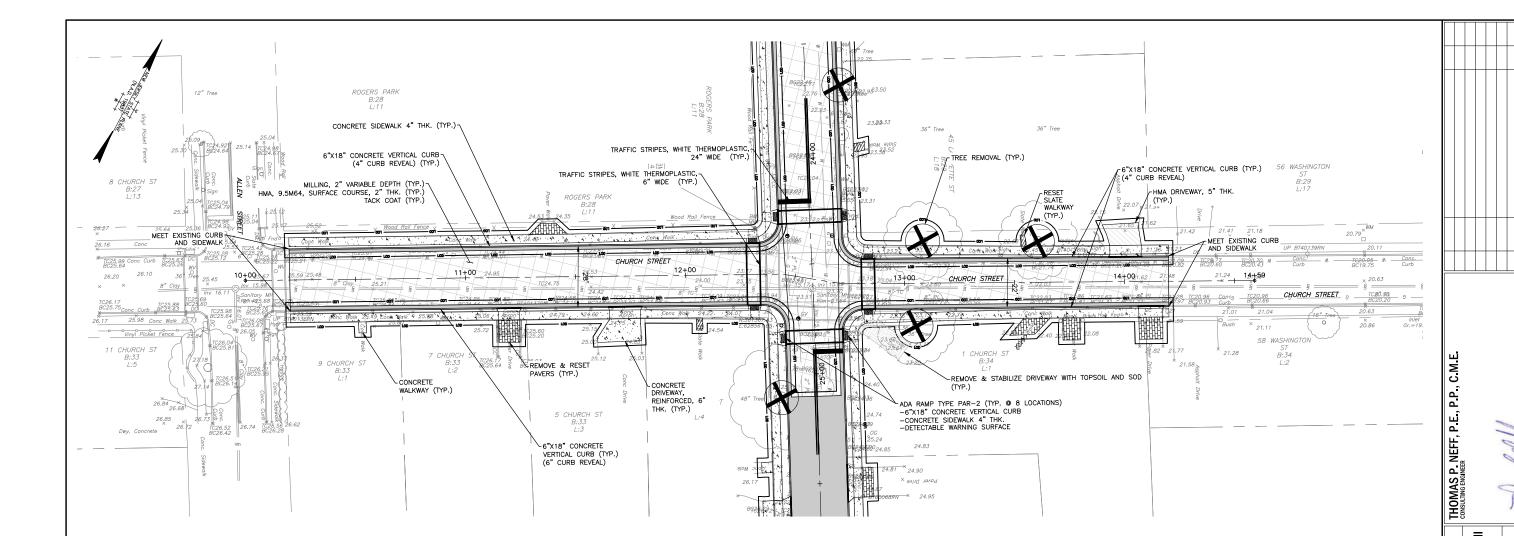
NARUMSUNK STREET **FION PLAN AND**

11 TINDALL ROAD IDDLETOWN, NJ 07748 TEL 732-671-6400 FAX 732 671 7365

OFFICES LOCATED IN:

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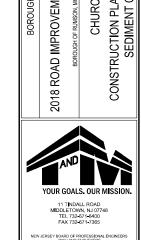


CONSTRUCTION NOTES

- 1. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE AND RESET ANY EXISTING SIGNS WHERE NOTED. ANY SIGNS DAMAGED AS A RESULT OF THE CONTRACTOR'S ACTIVITY SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. PVC SLEEVES SHALL BE PROVIDED IN THE CONCRETE SIDEWALK WHEN INSTALLING SIGNS. ALL COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING SITE.
- 2. CONTRACTOR SHALL TAKE CARE TO ENSURE POSITIVE FLOW TOWARDS ALL INLETS
- 3. FINAL LIMITS OF PAVING TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
- 4. CONTRACTOR SHALL BE RESPONSIBLE TO LOCATE AND RECORD ALL TRAFFIC STRIPING PRIOR TO CONSTRUCTION AND REPLACE ALL TRAFFIC STRIPING IN-KIND, UNLESS OTHERWISE SPECIFIED.
- 5. CONTRACTOR TO RESET ALL SIGNS, FENCES, LANDSCAPING, MAILBOXES, EDGING, LOOP DETECTORS, SPRINKLER HEADS, ETC. TO EXISTING CONDITION. ALL COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING SITE.
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- 10. THE MAXIMUM PERMITTED SLOPE IN ANY DIRECTION FOR ALL HANDICAP PARKING SPACES IS 1.5%. THE CONTRACTOR SHALL RE-GRADE THESE AREAS AS NECESSARY TO ENSURE THE SLOPES DO NOT EXCEED 1.5%. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY GRADING.

CONSTRUCTION ITEMS (CHURCH STREET)

POLYMERIZED JOINT ADHESIVE 375 110 GAL TACK COAT 940 130 SY MILLING 2", VARIABLE DEPTH TON HOT MIX ASPHALT 9.5M64, SURFACE COURSE, 2" THICK 765 6"x18" CONCRETE VERTICAL CURB 305 CONCRETE SIDEWALK, 4" THICK 10 HOT MIX ASPHALT DRIVEWAY, 5" THICK 45 CONCRETE DRIVEWAY, REINFORCED 6" THICK REMOVE & RESET PAVERS (IF & WHERE DIR.) DETECTABLE WARNING SURFACE 110 TRAFFIC STRIPES, THERMOPLASTIC, 6" WIDE 485 BORROW TOPSOILING, 4" THICK SODDING TREE REMOVAL OVER 30" TO 36'



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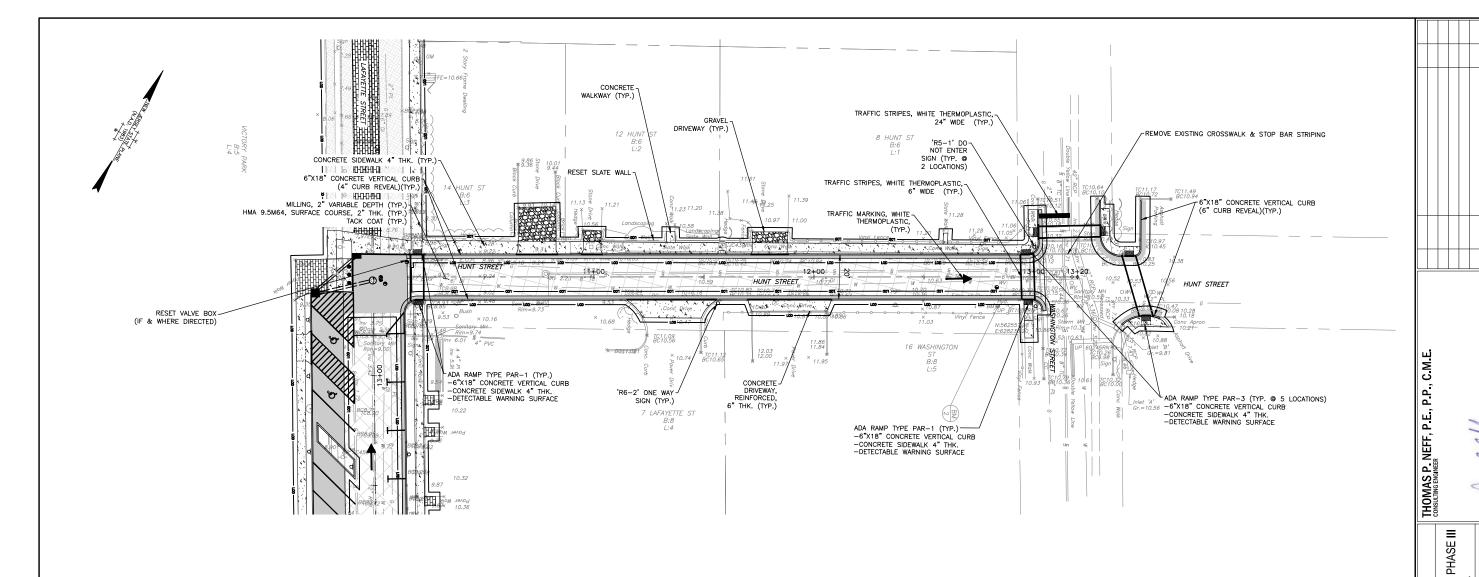
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- 5. CONTRACTOR TO RESET ALL SIGNS, FENCES, LANDSCAPING, MAILBOXES, EDGING, LOOP DETECTORS, SPRINKLER HEAD, LANDSCAPING WALLS, ETC. TO EXISTING CONDITION. ALL COSTS TO BE INCLUDED IN THE UNIT PRICE BID FOR CLEARING SITE.
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CONSTRUCTION ITEMS (HUNT STREET)

290		
		TACK COAT
550	SY	MILLING 2", VARIABLE DEPTH
80	TON	HOT MIX ASPHALT 9.5M64, SURFACE COURSE, 2" THIC
680	LF	6"x18" CONCRETE VERTICAL CURB
2	UN	RESET VALVE BOX (IF & WHERE DIR.)
155	SY	CONCRETE SIDEWALK, 4" THICK
75	SY	CONCRETE DRIVEWAY, REINFORCED 6" THICK
25	SY	STONE DRIVEWAY (IF & WHERE DIR.)
64	SF	
210	LF	TRAFFIC STRIPES, THERMOPLASTIC, 6" WIDE
15	LF	TRAFFIC STRIPES, THERMOPLASTIC, 24" WIDE
1	UN	TRAFFIC MARKINGS, THERMOPLASTIC
1	UN	R6-2 'ONE WAY' SIGN
2	UN	R5-1 'DO NOT ENTER' SIGN
335		BORROW TOPSOILING, 4" THICK
335	SY	SODDING



PROGRAM

IMPROVEMENT

ROAD

EROSION

AN AND SC CONTROL

CONSTRUCTION PLAN SEDIMENT CO

STREET

OFFICES LOCATED IN:

CSP-6

06/21/2019 AS SHOW